

# California Energy Commission



<b>CLASSIFICATION:</b>	Electric Generation System Specialist I <i>Will consider Energy Analyst</i>		
<b>TENURE/ TIME BASE:</b>	Permanent/Full Time		
<b>SALARY:</b>	EGSS I:	\$6,590 - \$8,153	
	Energy Analyst:	Range A:	\$2,902 - \$3,552
		Range B:	\$3,142 - \$3,881
		Range C:	\$3,768 - \$4,668
<b>LOCATION:</b>	Supply Analysis Office Energy Assessments Division Sacramento, California		
<b>FINAL FILING DATE:</b>	Until Filled		

The Energy Commission's Energy Assessments Division's mission is to conduct assessments of California's electricity and natural gas systems and trends, providing information for decision-makers and the public resulting in policies that balance the need for adequate resources with economic, public health, safety, and environmental goals. The division's emphasis is on building staff capabilities in the latest modeling and analytical techniques.

The Supply Analysis Office provides critical information and independent, objective analyses of the electricity and natural gas markets, electric and natural gas systems operations, and electric, natural gas and environmental resource issues. Major office activities include energy data collection, analysis and reporting on energy trends and prices, technical modeling, and recommendations to improve functions of electricity and natural gas systems and markets and to promote sound public policy.

**DUTIES/RESPONSIBILITIES:** Under the general direction of the Electric Generation System Specialist III in the Supply Analysis Office, the incumbent will perform or direct varied, difficult, and complex economic and mathematical analyses to provide decision-makers and the public with current and useful information and objective analyses of the costs and benefits associated with integrating and developing portfolios of distributed energy resources (DERs), including energy efficiency, demand response, electric vehicles, photovoltaic and storage systems. These assignments will be varied, complex, technical, and require the application of knowledge of power plants and electric system infrastructure design, operation, electrical engineering, and the economics and finance of power plant and electric system development. These plans and costs will be developed to meet local system reliability needs, thus avoiding high value investments associated with transmission and distribution infrastructure upgrades. The incumbent may serve as a project lead over other technical and analytical staff. Specific duties include:

- Monitor and participate in the development of a new proposed California Public Utilities Commission (CPUC) location net benefit methodology (LNBK) that will be used to calculate the costs and benefits of groups of customer DER portfolios. Work with stakeholders to identify DER benefit components and identify methodologies to quantify them. Develop an understanding of the Distributed Energy Resources Avoided Cost (DERAC) calculator and develop financial values that can replace system-level values with location-specific values. Validate these financial assumptions. Focus and quantify all customer options including those that reduce customer load as well customer generation and storage. Evaluate how these resources and their attributes compare to other system reliability options.

- Assess and analyze the impacts of DERs on distribution planning and how these resources can be used to meet locational requirements. Evaluate the impact of increased penetration of DERs on traditional grid investment and cost methodologies. Assess how high penetrations of DERs can be integrated and optimized to provide grid benefits that will influence distribution planning and investments. Also, identify how multiple 3rd party and utility-owned DER resources could be operated in a coordinated manner to support operational needs and provide value.

#### **DESIRABLE EXPERIENCE/QUALIFICATIONS:**

- Excellent analytical skills and the ability to reason logically and creatively while analyzing a variety of analytical techniques.
- Excellent written and oral communication skills. Ability to effectively write and edit technical program information. Ability to gather, compile, analyze, and interpret written and numerical research data.
- Excellent interpersonal and leadership skills. Ability to work under pressure effectively, both under supervision as well as independently, within a team environment and maintaining positive and constructive work relationships with others. .
- Proficiency on a personal computer and familiarity with word processing, data base management, spreadsheets, models, and graphics.
- Intermediate to Advanced skills with Microsoft Excel and Microsoft Word software programs.

**WHO MAY APPLY:** Eligible candidates who are current state employees with status in the above classification, lateral transfers from an equivalent class who meet the minimum qualifications of this classification, former state employees who can reinstate into this class or persons who are reachable on a current employment list for this classification. Appointment is subject to the provisions of the SROA process: SROA/SURPLUS/ REEMPLOYMENT candidates are encouraged to apply and must attach a copy of their status letter in order to be considered. Applications will be screened and the most qualified may be contacted for an interview.

Interested applicants must submit a completed Standard State Application (Form STD. 678) with an original signature, to the contact/address listed below. Electronic applications will not be accepted. **You must clearly indicate the basis of your eligibility (i.e., list, transfer, SROA/Surplus, reinstatement, etc.), RPA #810-204 and Position #810-4841-016 in the “Explanation Section” of the STD. 678.**

***Please Note:*** Possession of the minimum qualifications will be verified prior to the interview and/or appointment. If it is determined an applicant does not meet the minimum qualifications, the application may be forwarded to the State Personnel Board for review and the applicant’s name may be removed from the eligibility list.

#### **SUBMIT APPLICATIONS TO:**

Personnel Services Office  
ATTN: RPA #810-204  
1516 9<sup>th</sup> Street, MS-3  
Sacramento, CA 95814

View full Duty Statements:

<http://www.energy.ca.gov/careers/jobs.html>

***For additional questions regarding this recruitment, you may contact (916) 654-4305 or email [personnelservices@energy.ca.gov](mailto:personnelservices@energy.ca.gov).***

***California Relay (Telephone) Service – TDD Phones: 1-800-735-2929 and Voice Phones: 1-800-735-2922***